

Supplementary Table S3. Significance test for winter survival traits in St. Augustinegrass Raleigh selfing population evaluated across three years (2021, 2022, and 2023) at the Upper Mountain Research Station (Jackson Springs, NC).

	<b>PGC_all</b>			<b>UPGC_all</b>			<b>FC_all</b>		
	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value
Intercept	7,657.9	7,657.9	***	1,743.7	1,743.7	***	8,699.5	8,699.5	***
Genotype	1,376.9	1,376.9	***	1,242.3	1,242.3	***	1,107.3	1,107.3	***
Year	446.8	446.8	***	13.34	13.34	**	408.7	408.7	***
Genotype : Year	675.0	675.0	***	903.9	903.9	***	1,165.3	1,165.3	***
Year : Rep	28.0	28.0	***	28.53	28.53	***	38.2	38.2	***
	<b>WI_all</b>			<b>WK_all</b>					
	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value			
Intercept	16,071.9	16,071.9	***	58,754.0	58,754.0	***			
Genotype	947.6	947.6	***	858.0	858.0	***			
Year	1,014.8	1,014.8	***	1,046.0	1,046.0	***			
Genotype : Year	739.6	739.6	***	822.0	822.0	***			
Year : Rep	52.2	52.2	***	51.0	51.0	***			

\*\*\* indicate significant at 0.001 probability level. NS = non-significant.